Reference 69

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Ingleside Experties C-9467

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PETRO PROJECT ENGINEERING, INC.

P. O. BOX 1092 LA PLACE LO

LA PLACE, LOUISIANA 70068

(504) 652-2009

U.S.A.

May 7, 1984

Mr. Lawrence E. Pewitt, P.E. Chief, Mechanical Section Permits Division Texas Air Control Board 6330 Hwy 290 East Austin, TX 78723

Subject : Ingleside Properties, Inc.

Ingleside, TX

TACB Permit Application

LEO THEF

MAY or

ورن سرووت ساروروا

Dear Mr. Pewitt :

We are pleased to submit a permit application on behalf of Ingleside Properties, Inc. This application is for a propused Drilling Fluids Chemicals Terminal and Oilfield Waste Treatment Plant to be located off Bishop Road (County 148) in San Patricio County.

Enclosed is a check for \$1946.10 payable to the Texas Air Control Board to cover the cost of reviewing the permit. This billing fee was calculated based on an estimated total project cost of \$1,946,100.00.

If you have any questions, or if we can provide any further information, please do not hesitate to contact us.

Very truly yours,

PETRO PROJECT ENGINEERING, INC.

R.D. Kulkarni, P.E.

President

DK:r

cc : Mr. Tom Palmer, P.E., TACB, 5602 Old Brownsville Road, CC, TX

78401

PROCESS ENGINEERING + ENVIRONMENTAL PERMITS + PLANT MODERNIZATIONS
PETROLEUM REFINING + PETROCHEMICALS + MINERAL PROCESSING

INGLESIDE PROPERTIES, 1 3, P.O. DRAWER H INGLESTOE, TX 7836

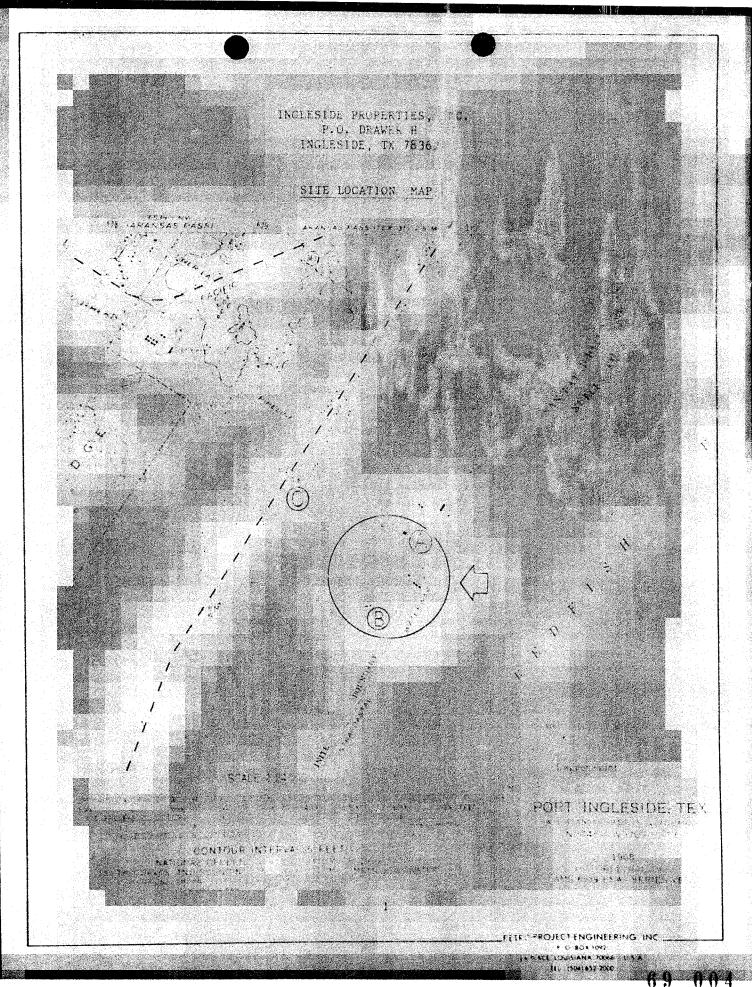
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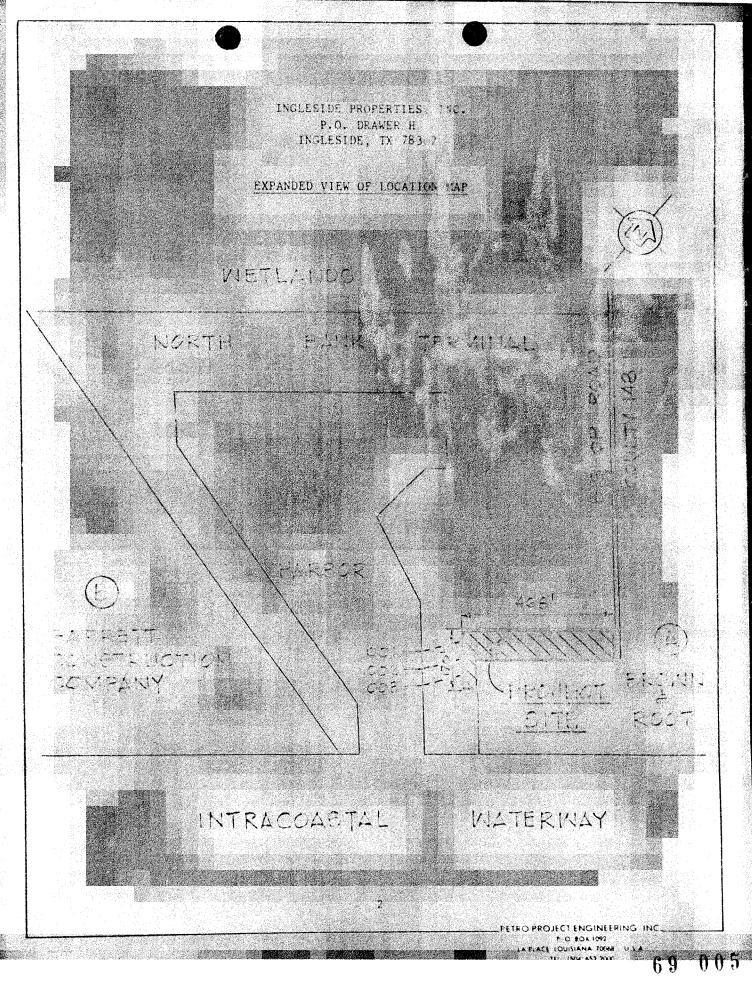
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LETRO PROJECT ENGINEERING, INC FO BOX 104, LAFLACE LOUMIANA JUNE, LOSA

INGLESTOR PROPERTIES - NC. P.O. DRAWER H INCLESIDE, IX 7536 LIST OF FIGURES Ceneralized Process Schematic Process Flow Disprain (PPE-3-84 space 9) fattached to Back Cover). iii _PETRO PROTECT ENGINEERING INC.__

10/12/2001 TNRCC





INGLESIDE PROPERTIES P.O. DRAWER H INGLESIDE, TA 78342

INTRODUCTION

In a rotary drilling operation, a "lund "down", cold de"mud" circulated from a storage area on the sofar decouard to ough fue! drill pipe, out openings in the drill but a lineard within the borehole to the surface. This returning decreases with it deall cuttings from the bottom of the beg write. The returning bad gives as its entrained drill cuttings is to admit the base which is according to its returned to the storage area, a glasses which is according located above the mud storage great, it was a six a constitution of the contract used to separate the drill cuttings to go be pure. The sile as a gravity through the screen and the cut in a pass ov the cut of the sereen.

Disposal of these drall cuttings is as stips a repi prebies. In offshore instances, the cuttings are some incompared for a section; back into the water and are allowed to seek e to the both . The ways, as is often the case, when a drilling mad at tem such mat of ril bases. and is used which coats the cuttings with undesirable considerates, e.g. oil, the cuttings can not be disposed of directy without will out the risk of policing the errs. In accessor, location, dispusal of such cuttings day be similarly difficult with other ecological considerations.

There are two general techniques for treating these contaminated cuttings to make them ecologically a reptable. Fither they must be harded or barged to disposal facility or they must be treated to remove the objectionable contaminants e.g. oil.

Ingleside Proporties intends to install an incineration system to treat drill cuttings from on-shore and offshore drill sites. The property, which is located on water front, is concenient of Hield wastes from drill sites in the Texas-Louisiana guif coast.

A literature search was performed to best represent the feed to the incinerator. Below is one assay of a typical feed to the incinerator:

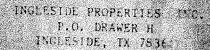
> lbs. wt l

70.00 2.63 1751.00 65.83

WET SOLIDS

Moisture in drilled solids Shales, clay, sand, limestone

ETRO PROJECT ENGINEERING INC



ASSOCIATED OIL MUD

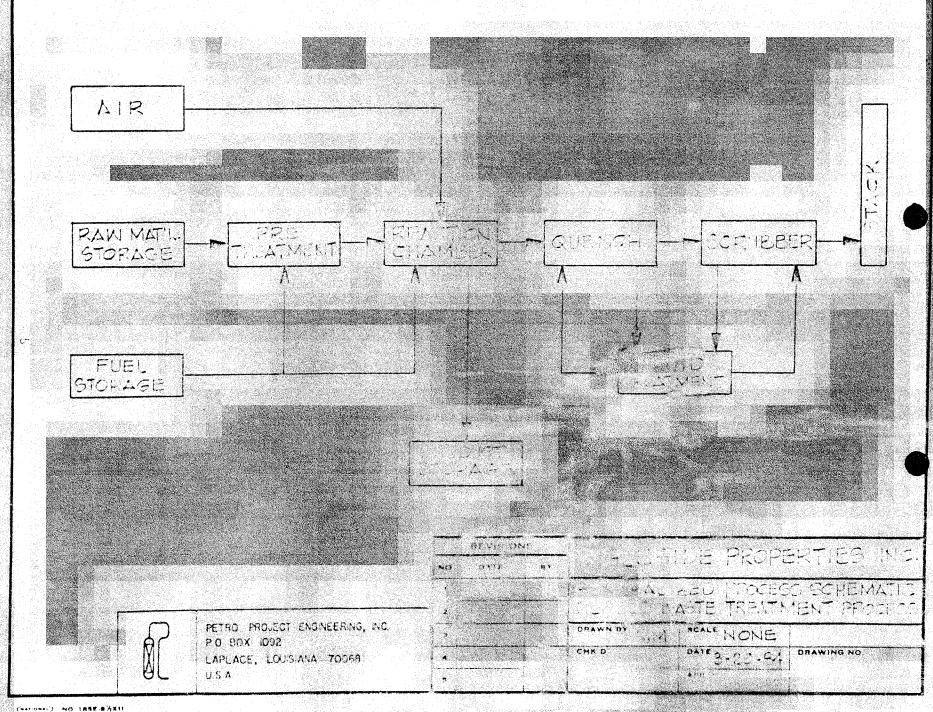
Total

Diesel Oil		7.74.2		io n
Water		10.47		
Calcium Chloride	(CaCl_)			
Emulsifier (Soap,	Polyámide)		X., 90
Filtrate Reducer	(Amine Li	gnite)	A CONTRACTOR OF THE	1 10
Gellant (Amine C).				
Barite	100			De Lago
grand and the second		nd s	F1 - 12 - 12 - 1	

This assay of the feed material was a licted commandly because it is representative of a typical such waste an also incent will require maximum solids treatment;

_PETROPROJECT ENGINEEPING, INC. P 0 BOX 1092

1.95 0.9. 0.75 0.38



INGLESIDE PROPERTIES, S.C., P.O. DRAWER H INGLESIDE, TX 7836.

PROCESS DESCRIPTION

UIL-FIELD WASIE TREATMENT : ANT

(Refer to I ocess Flow Diagram (F. -3-84-1-102)

The Inclusive Properties, Inc. Oils let seate Treatment Plant 25 designed to treat waste oil base 25 bling mid and oil continuated drill cuttings. These paterials is a cought at the treatment plant by barge or various truck. The drilling attings are stored in start, a area, SA-1, and the waste drilling. The start of in a tank, ST-7.

The drill cuttings are dasped to the perfecting at the levelor, BE-201 A & B. The backet elected to disch appear to ding a screw conveyor, SC-201. Water to need that is comped from i-7 to the hopper feeding SC-201 where the are asked in populatory as partions. The feed mixture is introduced into the catalog to incinerator E-201 after being preheated in heater and The weater world is fired with estural pas initially and the sue gases are writed to the almosphere. The air for confuction is supplied by blower B-201. Supplementary fuel oil for confustion is so lied to the burner in a starage lank St S by page F-202.

The hydrocarbons and trace organics are destroyed in the combined in process producing a dry solid residue contribing barite and clay manerals. The solids from the kilm ste discharge is not by residue cooler-conveyor SC-202 viere they are gir-cooled; These solids are then stored in the casidue storage area SA-2 before off-site disposal. The cooling air along with entrained partical ...s is preheated in this step and used to support combustion in the film. The flue grees from the inciperator F-201 are sent via a posterbeat recovery system to the web-stranbor 6-201. Here the gases are cooled. SO, is scrubbed out and the perfoculates are knocked down by a endstic solution spray provided by pump P-203 from the recirculating tank below the scrubber. The scrubbed exhaust gases are cented to the atmosphere via stack S.1. When a sufficient amount of residue sladge is built up on the sloped battom of the recirculation tank it is transferred via pump P-203 to tank ST-7 or to the food hopper. The scrubbing solution purge is disposed of in a similar manner.

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P O BOX 10V2

P.O. DRAWER H INGLESIDE, TX 783-2

PROCESS DESCRIPTION

DRILLING FLUIDS CHEMICALS I MINAL

The Ingleside Properties, Inc. Drilling Puids Chamas is Terminal consists of Bulk Barite Storage Facilities at Mid Mixing and Storage Facilities.

The Bulk Parite Storage Facilities consider at barite silos, -1. S+2, S-3 and S-4, a weigh tink, W1 1, and a distribution, BH-1. Too loading/unloading of bulk barite:

11 as: 1 asplant trasfer catried out by a closed loop photost is any six system. Which is wented to the atmosphere via the dast -112st , BH-2. The only source of minor particulate and six.

The Mod Mixing and Storage Facilities consist of end - ring tanks, MI-1 and MT-2, storage tanks, MI-1, a 2, and SI-3 of training pump, P-1. Both oil-based and water-based dr Ilin; a lids or handles at the plant. The emissions from this area a noist of breaking and standing losses of hydrocarbon vapors from the storage and a whing of oil-based liquids.

LETRO PROJECT ENGINEERING, INC P.O. 803-1092